

FORM 1449*			Docket Number: 3164.98USWO	Application Number: 09/051,034
INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)			Applicant: MCKENZIE et al.	
			Filing Date: March 31, 1998	Group Art Unit: 1631-1632

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
	December 1993	Mauro S. Sandrin et al.; "Anti-pig IgM antibodies in human serum react predominantly with Gal(α1-3)Gal epitopes"; <i>Proc. Natl. Acad. Sci.</i> ; December 1993; Vol. 90, pp. 11391-11395.				
PB	1994	Mauro S. Sandrin et al.; "Identification of Gal(α1,3)Gal as the Major Epitope for Pig-to-Human Vascularised Xenografts"; <i>Transplantation Reviews</i> ; 1994; Vol. 8, No. 3, pp. 134-149.				
PB	1993	DKC Cooper et al.; "Identification of α-galactosyl and other carbohydrate epitopes that are bound by human anti-pig antibodies: relevance to discordant xenografting in man"; <i>Transplant Immunology</i> ; 1993; pp. 198-205.				
PB	1994	David K.C. Cooper et al.; "Oligosaccharides and Discordant Xenotransplantation"; <i>Immunological Reviews</i> ; 1994; No. 141, pp. 31-58.				
PB	1987	Uri Galili et al.; "Evolutionary relationship between the natural anti-Gal antibody and the Galα1-3Gal epitope in primates"; <i>Proc. Natl. Acad. Sci.</i> ; March 1987; Vol. 84, pp. 1369-1373.				
PB	1988	Uri Galili et al.; "Man, apes, and Old World Monkeys Differ from Other Mammals in the Expression of α-Galactosyl Epitopes on Nucleated Cells"; <i>Journal of Biological Chemistry</i> ; 1988; Vol. 263, No. 33, pp. 17755-17762.				
PB	1989	Robert d. Larsen et al.; "Isolation of a cDNA encoding a murine UDPgalactose:β-D-galactosyl-1,4-N-acetyl-D-glucosaminide α-1,3-galactosyltransferase: Expression cloning by gene transfer"; <i>Proc. Natl. Acad. Sci.</i> ; November 1989; Vol. 86, pp. 8227-8231.				
PB	1992	David H. Joziasse et al.; "Murine α1,3-Galactosyltransferase"; <i>Journal of Biological Chemistry</i> ; 1992; Vol. 267, No. 8, pp. 5534-5541.				
PB	1989	David H. Joziasse et al.; "Bovine α1-3-Galactosyltransferase: Isolation and Characterization of a cDNA Clone"; <i>Journal of Biological Chemistry</i> ; 1989; Vol. 264, No. 24, pp. 14290-14297.				
PB	1996	C. Kioke et al.; "Introduction of α(1,2)-fucosyltransferase and its effect on α-Gal epitopes in transgenic pig"; <i>Xenotransplantation</i> ; 1996; pp. 81-86.				
PB	1996	Shlomo Cohen et al.; "Molecular cloning of the gene coding for pig α1-2fucosyltransferase"; <i>Immunogenetics</i> ; 1996; pp. 76-79.				
PB	1990	Robert D. Larsen et al.; "Molecular cloning, sequence, and expression of a human GDP-L-fucose:β-D-galactoside 2-α-L-fucosyltransferase cDNA that can form the H blood group antigen"; <i>Proc. Natl. Acad. Sci.</i> ; September 1990; Vol. 87, pp. 6674-6678.				
PB	1974	Colleen E. Hayes et al.; "An α-D-Galactosyl-binding Lectin from <i>Bandeiraea simplicifolia</i> Seeds"; <i>Journal of Biological Chemistry</i> ; 1974; Vol. 249, No. 6, pp. 1904-1914.				
PB	1976	Marion M. Bradford; "A Rapid and Sensitive Method for the Quantitation of Microgram Quantities of Protein Utilizing the Principle of Protein-Dye Binding"; <i>Analytical Biochemistry</i> ; 1976; pp. 248-254.				
PB	1989	Valanila P. Rajan et al.; "A Cloned Human DNA Restriction Fragment Determines Expression of a GDP-L-fucose:β-D-Galactoside 2-α-L-fucosyltransferase in Transfected Cells"; <i>Journal of Biological Chemistry</i> ; 1989; Vol. 264, No. 19, pp. 11158-11167.				
PB	1983	Dirk H. Van Den Eijnden et al.; "Identification and Characterization of an UDP-gal:N-Acetyllactosaminide α-1,3-D-Galactosyltransferase in Calf Thymus"; <i>Eur. J. Biochem.</i> ; 1983; pp. 523-530.				

EXAMINER	Peter Bonnici	DATE CONSIDERED	3/2/00
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PB	1994	Timothy R. Henion et al.; "Defining the minimal size of catalytically active primate α 1,3 galactosyltransferase: structure-function studies on the recombinant truncated enzyme"; <i>Glycobiology</i> , 1994; Vol. 4, No. 2, pp. 193-201.
PB	1994	Harry Schachter; "Molecular cloning of glycosyltransferase genes"; Oxford University Press; 1994; pp. 88-162.
PB	1992	Jo Burke et al.; "The Transmembrane and Flanking Sequences of β 1,2-N-Acetylglucosaminyltransferase I Specify medial-Golgi Localization"; <i>Journal of Biological Chemistry</i> , 1992; Vol. 267, No. 34, pp. 24433-24440.
PB	1992	Bor Luen Tang et al.; "The Transmembrane Domain of N-Glucosaminyltransferase I Contains a Golgi Retention Signal"; <i>Journal of biological Chemistry</i> , 1992; Vol. 267, No. 14, pp. 10122-10126.
PB	1991	Tommy Nilsson et al.; "The membrane spanning domain of β -1,4-galactosyltransferase specifies trans Golgi localization"; <i>EMBO Journal</i> ; 1991; Vol. 10, No. 12, pp. 3567-3575.
PB	1992	Daisuke Aoki et al.; "Golgi retention of a trans-Golgi membrane protein, galactosyltransferase, requires cysteine and histidine residues within the membrane-anchoring domain"; <i>Proc. Natl. Acad. Sci.</i> ; May 1992; Vol. 89, pp. 4319-4323.
PB	1992	Rohan D. Teasdale et al.; "The Signal for Golgi Retention of Bovine β 1,4-Galactosyltransferase Is in the Transmembrane Domain"; <i>Journal of biological Chemistry</i> , 1992; Vol. 267, No. 6, pp. 4084-4096.
PB	1990	Hugh R. B. Pelham; "The retention signal for soluble proteins of the endoplasmic reticulum"; <i>Trends Biochem. Sci.</i> ; 1990; pp. 483-486.
PB	1990	Michael R. Jackson et al.; "Identification of a consensus motif for retention of transmembrane proteins in the endoplasmic reticulum"; <i>EMBO Journal</i> ; 1990; vol. 9, No. 10, pp. 3153-3162.
PB	1994	Felix Kappeler et al.; "A dual Role for COOH-terminal Lysine Residues in pre-Golgi Retention and endocytosis of ERGIC-53"; <i>Journal of biological Chemistry</i> , 1994; Vol. 269, No. 9, pp. 6279-6281.
PB	1992	Karl F. Johnson et al.; "A His-Leu-Leu Sequence near the carboxyl Terminus of the Cytoplasmic Domain of the Cation-dependent Mannose 6-Phosphate Receptor Is Necessary for the Lysosomal Enzyme Sorting Function"; <i>Journal of biological Chemistry</i> , 1992; Vol. 267, No. 24, pp. 17110-17115.
PB	1991	Sean Munro; "Sequences within and adjacent to the transmembrane segment of α -2,6-sialyltransferase specify Golgi retention"; <i>EMBO Journal</i> ; 1991; Vol. 10, No. 12, pp. 3577-3588.
PB	1993	Rekha Y. Dahdal et al.; "Specific Sequences in the Signal Anchor of the β -Galactoside α -2-Sialyltransferase Are Not Essential for Golgi Localization"; <i>Journal of Biological Chemistry</i> , 1993; Vol. 268, No. 35, pp. 26310-26319.
PB	1969	Isamu Matsumoto et al.; "Purification and Characterization of an Anti-H(o) Phytohemagglutinin of Ulex Europeus"; <i>Biochimica et Biophysica Acta</i> ; 1969; pp. 180-189.
PB	1993	Tommy Nilsson et al.; "Overlapping Distribution of Two Glycosyltransferases in the Golgi Apparatus of HeLa Cells"; <i>Journal of Cell Biology</i> , 1993; Vol. 120, No. 1, pp. 5-13.

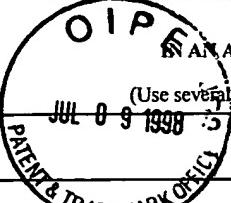
EXAMINER	<i>Peter Bonnici</i>	DATE CONSIDERED	3/62/00
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EXAMINER	<i>Peter Brumwirth</i>	DATE CONSIDERED	3/2/00
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FOREIGN PATENT DOCUMENTS						
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						YES
			<i>MAILING & WORKER SERVICE CENTER</i>			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
PB	1993	J.R. Leventhal, et al.; "Complement Depletion Prolongs Discordant Cardiac Xenograft Survival in Rodents and Non-Human Primates"; <i>Transplantation Proceedings</i> ; 1993; Vol. 25, No. 1, pp. 398–399.
PB	1994	Scott K. Pruitt et al.; "The Effect of Soluble Complement Receptor Type 1 on Hyperacute Rejection of Porcine Xenografts"; <i>Transplantation</i> ; February 3, 1994; Vol. 57, pp. 363–370.
PB	1995	Joseph R. Leventhal et al.; "Removal of Baboon and Human Antiporcine IgG and IgM Natural Antibodies by Immunoadsorption"; <i>Transplantation</i> ; January 27, 1995, Vol. 59, pp. 294 – 300.
PB	1993	R.J. Brewer et al.; "Depletion of Preformed Antibody in Primates for Discordant Xenotransplantation by Continuous Donor Organ Plasma Perfusion"; <i>Transplantation Proceedings</i> ; 1993; Vol. 25, No. 1, pp. 385–386.
PB	1995	Kenneth R. McCurry et al.; "Human Complement regulatory proteins protect swine-to-primate cardiac xenografts from humoral injury"; <i>Nature Medicine</i> ; May 5, 1995; Vol. 1, No. 5, pp. 423–427.
PB	1994	William L. Fodor et al.; "Expression of a functional human complement inhibitor in a transgenic pig as a model for the prevention of xenogeneic hyperacute organ rejection"; <i>Proc. Natl. Acad. Sci.</i> ; November 1994; Vol. 91, pp. 11153–11157.
PB	1995	Ariella M. Rosengard et al.; "Tissue Expression of Human Complement Inhibitor, Decay-Accelerating Factor, in Transgenic Pigs"; <i>Transplantation</i> ; May 15, 1995; Vol. 59, No. 9, pp. 1325–1333.
PB	1994	Mauro S. Sandrin & Ian F.C. McKenzie; "Galα(1,3)Gal, the Major Xenoantigen(s) Recognised in Pigs by Human Natural Antibodies"; <i>Immunological Reviews</i> ; 1994; No. 141, pp. 169–190.
PB	1994	Mauro S. Sandrin et al.; "Characterization of cDNA clones for porcine α(1,3)galactosyl transferase: The enzyme generating the Galα(1,3)Gal epitope"; <i>Xenotransplantation</i> ; 1994; pp. 81–88.
PB	1991	David H. Joziasse et al.; "Characterization of an α1→3-Galactosyltransferase Homologue on Human Chromosome 12 That Is Organized as a Processed Pseudogene"; <i>Journal of Biological Chemistry</i> ; 1991; Vol. 266, No. 11, pp. 6991–6998.
PB	1990	Robert D. Larsen et al.; "Framshift and Nonsense Mutations in a Human Genomic Sequence Homologous to a Murine UDP-Gal:β-D-Gal(1,4)-D-GlcNAc α(1,3)-Galactosyltransferase cDNA"; <i>Journal of Biological Chemistry</i> ; 1990; Vol. 265, No. 12, pp. 7055–7061.
PB	1995	Mauro S. Sandrin et al.; "Enzymatic remodelling of the carbohydrate surface of a xenogenic cell substantially reduces human antibody binding and complement-mediated cytosis"; <i>Nature Medicine</i> ; December 1995; Vol. 1, No. 12, pp. 1261–1267.

Joe Woblag 5/31/02

EXAMINER <i>Peter Brunnstrom</i>	DATE CONSIDERED <i>3/2/00</i>
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FOREIGN PATENT DOCUMENTS

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						YES	NO
PB	WO 94/12646	June 9, 1994	PCT WIPO	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

PB	December 1995	Mauro S. Sandrin, William L. Fodor, Effie Mouhtouris, Narin Osman, Shlomo Cohney, Scott A. Rollins, Edward R. Guilmette, Eva Setter, Stephen P. Squinto & Ian F.C. McKenzie; "Enzymatic remodelling of the carbohydrate surface of a xenogenic cell substantially reduces human antibody binding and complement-mediated cytosis"; <i>Nature Medicine</i> ; December 1995; Vol. 1, No. 12, pp. 1261 - 1267.
PB	April 22, 1994	Jo Burke, John M. Pettitt, Danielle Humphris, and Paul A. Gleeson; "Medial-Golgi Retention of N-Acetylglucosaminyltransferase I"; <i>Journal of Biological Chemistry</i> , April 22, 1994; Vol. 269, No. 16, pp. 12049 - 12059.
PB	December 20, 1996	Narin Osman, Ian F.C. McKenzie, Effie Mouhtouris, and Mauro S. Sandrin; "Switching Amino-terminal Cytoplasmic Domains of α (1,2) Fucosyltransferase and α (1,3) Galactosyltransferase Alters the Expression of H Substance and Gal α (1,3)Gal"; <i>Journal of Biological Chemistry</i> ; December 20, 1996; Vol. 271, No. 51, pp. 33105-33109.

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